



FLIGHT REPORT

NORTH DAKOTA ATMOSPHERIC RESOURCE BOARD
SFN 50864(12/2014)

ENGINES OFF 02:27:05	HOURS 2.07		PAGE # 1	OF 2
ENGINES ON 00:23:01	DRY ICE RATE 0	1 GEN 0.11	2 GEN 0.85	
TOTAL TIME 02:04:04	DRY ICE (lbs) 0.00	EJCTBL (grams) 0	BIP (grams) 0	

DATE June 30, 2017		DISTRICT 2	SEED # 6	PILOT Justin Bauer				COPILOT Kyle Haines				PURPOSE H	R - Rain H - Hail O - Other M - Maintenance C - Reconnaissance
Time (HH:MM)	EVENT #	LATITUDE (deg)	LONGITUDE (deg)	CLD BASE (kft)	ALTITUDE (KFT)	UPDRAFT (FT/MIN)	TEMP (°C)	PRECIP CODE**	DRY ICE (sec)	FLARES		WINTIP GEN (#)	REMARKS
										EJC	BIP		
00:24:15		48.26061	-101.2934		1.7					0	0	0	Engines on in Minot.
00:34:20		48.25486	-101.3112		3.4					0	0	0	
00:44:21		48.41217	-101.6832		6.4					0	0	0	
00:52:50	1	48.27988	-102.0622	6	5.3	300	7	3		0	0	1	Right burner on.
00:59:28	2	48.28385	-101.9697	6	5.3	500	7	3		0	0	2	Left burner on.
01:09:29		48.24289	-101.8638		5.0					0	0	2	
01:11:08		48.23151	-101.9292	6.3	5.1	600	10	3		0	0	2	
01:21:09		48.17870	-101.8984		5.2					0	0	2	
01:22:00		48.15739	-101.9198	6.2	5.3	600	9	3		0	0	2	
01:32:00		48.06956	-101.9511		5.7					0	0	2	
01:36:49		48.00460	-101.9997	6.1	5.6	700	10	3		0	0	2	
01:46:50		47.96399	-101.8820		5.7					0	0	2	
01:50:33	3	47.91181	-101.9218	6.4	5.7	600	10	3		0	0	0	Two burners off.

**PRECIPITATION INTENSITY

- 0 - No Precipitation
- 1 - virga only, precip not to ground
- 2 - rain shaft to surface, light
- 3 - rain shaft well established, but can be seen through
- 4 - heavy rain shaft, cannot be seen through

MISSION SUMMARY

Departed Minot at 0023z towards Kenmare to investigate potential activity. What was found was out of district so we proceeded west towards Stanley to rejoin Seeds 5 and 8. After a few passes on the east side and very little inflow a shelf cloud/feeder cloud wall running northeast to southwest was flown up to containing consistent 7-800fpm inflow. Both burners were engaged and burned for an hour. After the final south pass we were advised to fly towards New Town to babysit a cell in case it flared up. After a few passes of little to no inflow we were advised to return to base in Watford City.

Total flight time: 2:04
Left burner time: 0:51

